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#14
OIPE

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/554,465DATE: 10/09/2001
TIME: 09:50:06Input Set : A:\ES.txt
Output Set: N:\CRF3\10092001\I554465.raw

3 <110> APPLICANT: KUFER, Peter
 4 RAUM, Tobias
 5 BORSCHERT, Katrin
 6 ZETTL, Florian
 7 LUTTERBUSE, Ralf
 9 <120> TITLE OF INVENTION: A NOVEL METHOD OF IDENTIFYING BINDING SITE DOMAINS THAT
 RETAIN THE
 10 CAPACITY OF BINDING TO AN EPITOPE
 12 <130> FILE REFERENCE: 0147-0199P
 14 <140> CURRENT APPLICATION NUMBER: US 09/554,465
 C--> 15 <141> CURRENT FILING DATE: 2000-05-12
 17 <160> NUMBER OF SEQ ID NOS: 77
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 33
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial Sequence ✓
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: primer for human costimulatory protein CD80
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 30 gcagaattca ccatgggccca cacacggagg cag 33
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 34 <211> LENGTH: 34
 35 <212> TYPE: DNA
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 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: primer for human costimulatory protein CD80 ✓
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 42 tgggtccggag ttatcaggaa aatgctcttg cttg 34
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 36
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence ✓
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: primer for human CD80-M79scFv ✓
 53 <400> SEQUENCE: 3
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 57 <210> SEQ ID NO: 4
 58 <211> LENGTH: 37
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence ✓
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine anti
 17- 64 1A antibody M74 V(L)
 66 <400> SEQUENCE: 4
 67 aggtgtacac tccgatatcc agctgaccca gtctcca 37
 70 <210> SEQ ID NO: 5

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71 <211> LENGTH: 51

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72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine anti✓
17-
77      1A antibody M74 V(L)
79 <400> SEQUENCE: 5
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84 <211> LENGTH: 96
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine anti✓
17-
90      1A antibody M74 V(H)
92 <400> SEQUENCE: 6
93 ggcggcgccg gctccggtgg tgggtgttct caggtsmarc tgcagsagtc wggacctgag      60
95 ctggtgaagc ctggggcttc agtgaagatt tcctgc          96
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99 <211> LENGTH: 39
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101 <213> ORGANISM: Artificial Sequence
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104 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine✓
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105      1A antibody M74 V(H)BspEI
107 <400> SEQUENCE: 7
108 aatccggagg agacggtgac cgtggtcctt tggccccag          39
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 69
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117 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine✓
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118      1A antibody M74 V(H)
120 <400> SEQUENCE: 8
121 tccgatatcm arctgcagsa gtcwggacct gagctggtga agcctggggc ttcagtgaag      60
123 atttctgc          69
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127 <211> LENGTH: 64
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
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132 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine✓
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133      1A antibody M74 V(H)
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138 ccag          64
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 54

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143.<212> TYPE: DNA

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144 <213> ORGANISM: Artificial Sequence

146 <220> FEATURE:

147 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine ✓

anti 17-

148 1A antibody M74 V(L)

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157 <213> ORGANISM: Artificial Sequence

159 <220> FEATURE:

160 <223> OTHER INFORMATION: primer for single-chain Fv fragment (scFv) of the murine ✓

anti 17-

161 1A antibody M74 V(L)

163 <400> SEQUENCE: 11

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168 <211> LENGTH: 22

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170 <213> ORGANISM: Artificial Sequence

172 <220> FEATURE:

173 <223> OTHER INFORMATION: primer for V(H) chain of human anti-17-1A antibody ✓

175 <400> SEQUENCE: 12

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179 <210> SEQ ID NO: 13

180 <211> LENGTH: 17

181 <212> TYPE: DNA

182 <213> ORGANISM: Artificial Sequence

184 <220> FEATURE:

185 <223> OTHER INFORMATION: primer for V(H) chain of human anti-17-1A antibody ✓

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191 <210> SEQ ID NO: 14

192 <211> LENGTH: 38

193 <212> TYPE: DNA

194 <213> ORGANISM: Artificial Sequence

196 <220> FEATURE:

197 <223> OTHER INFORMATION: primer for V(L) chain of human anti-17-1A antibody ✓

199 <400> SEQUENCE: 14

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204 <211> LENGTH: 33

205 <212> TYPE: DNA

206 <213> ORGANISM: Artificial Sequence

208 <220> FEATURE:

209 <223> OTHER INFORMATION: primer for V(L) chain of human anti-17-1A antibody ✓

211 <400> SEQUENCE: 15

212 gaagacacta gttgcagcca ccgtacgttt rat 33

215 <210> SEQ ID NO: 16

216 <211> LENGTH: 24

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217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: oligomer encoding six HIS residues ✓
223 <400> SEQUENCE: 16
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227 <210> SEQ ID NO: 17
228 <211> LENGTH: 24
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: oligomer encoding six HIS residues ✓
235 <400> SEQUENCE: 17
236 ctagtgtgat ggtgatggtg atgg 24
239 <210> SEQ ID NO: 18
240 <211> LENGTH: 47
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: oligonucleotide for multiple cloning site containing SacI ✓
and Xho
246 I overhang
248 <400> SEQUENCE: 18
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254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: oligonucleotide for multiple cloning site containing SacI ✓
and Xho
259 I overhang
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267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: oligonucleotide containing multiple cloning sites ✓
273 <400> SEQUENCE: 20
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276 ggtggttctg agctcgga 79
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 79
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: oligonucleotide containing multiple cloning sites ✓
287 <400> SEQUENCE: 21
288 ctagtcccga gctcagaacc accaccaccg gagccgccgc cgccagaacc accaccacct 60

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290 gaggagacgg tgaccgggc 79
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294 <211> LENGTH: 29
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: primer for M13 gene III domain N2 ✓
301 <400> SEQUENCE: 22
302 ggtgtcgaca ctaaacctcc tgagtacgg 29
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 30
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: primer for the M13 gene III domain N2 ✓
313 <400> SEQUENCE: 23
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317 <210> SEQ ID NO: 24
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319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: primer for detection of positive clones ✓
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331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: primer for detection of positive clones ✓
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342 <211> LENGTH: 32
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: primer for the extracellular region of the human CD54 ✓
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348 wn as ICAM-1
350 <400> SEQUENCE: 26
351 ctcgaattca ctatggctcc cagcagcccc cg 32
354 <210> SEQ ID NO: 27
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356 <212> TYPE: DNA
357 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:
360 <223> OTHER INFORMATION: primer for the extracellular region of the human CD54 ✓
antigen kno
361 wn as ICAM-1

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/554,465

DATE: 10/09/2001

TIME: 09:50:07

Input Set : A:\ES.txt

Output Set: N:\CRF3\10092001\I554465.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date 0✓